HEALTH
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ROTHWELL
URBAN DISTRICT COUNCIL

(NORTHANTS).

MINISTRY OF HEALTH
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ANNUAL REPORT

of the

Medical Officer of Health

For the Year 1957

DALKEITH PRESS LIMITED, KETTERING 8517

Rothwell Urban District Council

Chairman of the Council :

COUNCILLOR F. PANTER, J.P.

Vice-Chairman of the Council :

COUNCILLOR T. NICHOLS.

Clerk to the Council :

MR. A. SHARMAN.

Members of the Public Health Committee :

COUNCILLORS MRS. I. E. ANDREWS, MESSRS. J. T. BUCKBY, R. L. DAINTY, F. T. LEE, A. E. SHARMAN.

The CHAIRMAN and VICE-CHAIRMAN of the Council are ex-officio Members.

Public Health Officers of the Local Authority :

Medical Officer of Health :
JAMES CARROLL, M.B., B.CH., B.A.O., L.M., D.P.H., D.CH.

Also holds the appointments of :

Medical Officer of Health, Burton Latimer Urban District Council.
Medical Officer of Health, Corby Urban District Council.
Medical Officer of Health, Desborough Urban District Council.
Medical Officer of Health, Kettering Rural District Council.
School Medical Officer.

Secretary :

MISS M. W. LANGLEY.

Surveyor and Public Health Inspector :

A. SMITH, M.R.S.I.A., M.R.SAN.I., CERT.S.I.B.

Holds the Royal Sanitary Institute Certificate as an Inspector of Meat and other Foods.

Public Health Department,
75 London Road,
KETTERING.
May, 1958.

To the Chairman and Members of the
Rothwell Urban District Council.

MR. CHAIRMAN, MRS. ANDREWS AND GENTLEMEN,

I have the honour to present my fourth Annual Report on the Health and Sanitary Circumstances of the Urban District for the year 1957.

The report has been written in accordance with the Ministry of Health Circular 1/58 dated 13th January, 1958. The Vital Statistics for the year under review were as follows, for comparison the 1956 figures are included in parentheses : —

The population (Registrar General's mid-year estimate) is 4,710 (4,720) showing a decrease of 10 on last year's figure, and the Vital Statistics in this report are based on this figure. The Birth Rate was 17.20 (17.58), but there was an actual decrease in live births by 2. The Crude Death Rate 15.29 (9.75) showed an increase of 26 deaths, the registered causes of deaths are listed on page 6. The Infant Mortality Rate was 12.35 (12.05), which means that there was one death under one year of age out of 81 live births. Once again there were no deaths under the heading of Maternal Mortality which is highly commendable.

Section F deals with the prevalence of Infectious Diseases. Under this heading there was one case of Paralytic Poliomyelitis and one case of Non-Paralytic Poliomyelitis notified, both cases were removed to hospital and both recovered. One case of Non-Respiratory Tuberculosis was notified during the year. Other notifications were Measles, Scarlet Fever and Whooping Cough.

Sections C, D and E of the report have been submitted by your Public Health Inspector and Surveyor. In Section D it will be noted that 19 new houses were completed by the Council during the year and a start was made on a further 16, and 22 houses were demolished under Section 11 of the Housing Acts 1936/57.

In conclusion, I should like to thank the Chairman and Members of the Health Committee for their help and encouragement and Mr. Smith. for information supplied for this report and for his ever ready assistance throughout the year. I should also like to thank Mr. Sharman and staff for assistance on many matters throughout the year. Finally, I appreciate very much the assistance received from Miss Langley in compiling this report.

I have the honour to be,

Your obedient Servant,

JAMES CARROLL,
Medical Officer of Health.

SUMMARY OF VITAL STATISTICS

The following is a summary of the principal statistics for the years 1953, 1954, 1955, 1956 and 1957

	1953	1954	1955	1956	1957
Area (acres)	3,638	3,638	3,638	3,638	3,638
Population (Registrar General's estimate)	4,692	4,710	4,710	4,720	4,710
Number of Live Births ...	67	82	72	83	81
Legitimate	65	81	70	78	77
Illegitimate	2	1	2	5	4
Birth rate per 1,000 population	16.41	17.41	15.29	17.58	17.20
Number of Still Births ...	1	3	2	2	—
Legitimate	1	3	2	2	—
Illegitimate	—	—	—	—	—
Rate per 1,000 total (live and still births)	14.71	35.29	27.03	23.53	—
Rate per 1,000 population ...	0.21	0.64	0.42	0.42	—
Number of Deaths	53	58	49	46	72
Death rate per 1,000 population	11.30	12.31	10.40	9.75	15.29
Deaths from Pregnancy, Childbirth and Abortion ...	—	—	—	—	—
Infantile Mortality rate per 1,000 live births	14.93	—	69.44	12.05	12.35
Neonatal Mortality rate per 1,000 live births	14.93	—	13.89	12.05	—
Death from all forms of Tuberculosis	—	1	—	—	—
Deaths from Respiratory Tuberculosis	—	1	—	—	—
Deaths from Malignant Neoplasms	12	11	10	11	11
Deaths from Measles (all ages)	—	—	—	—	—
Deaths from Whooping Cough (all ages)	—	—	—	—	—
Deaths from Enteritis and Diarrhoea under two years of age	—	—	—	—	1
Deaths from Acute Poliomyelitis and Polioencephalitis ...	—	—	—	—	—

SECTION A. Statistics and Social Conditions.

Area (acres)	3,638
Registrar General's estimate of resident population ...	4,710
Number of inhabited houses (end of 1957)	1,709
Rateable Value	£46,210
Sum represented by Penny Rate	£181

The chief occupations of the inhabitants are as follows :—Boot and shoe manufacture, Ironstone Mining and manufacture of Agricultural Implements.

Extracts from Vital Statistics for the Year :

LIVE BIRTHS	*Total*	*Males*	*Females*
Legitimate	77	38	39
Illegitimate	4	1	3
TOTALS ...	81	39	42

Birth Rate per 1,000 of the estimated population ...	17.20

STILL BIRTHS	*Total*	*Males*	*Females*
Legitimate	—	—	—
Illegitimate	—	—	—
TOTALS ...	—	—	—

Rate per 1,000 total (live and still) births	—
England and Wales	22.4

DEATHS	*Total*	*Males*	*Females*
	72	39	33

Death rate per 1,000 of the estimated population (crude) ...	15.29
Death rate per 1,000 of the estimated population (corrected)	14.06
Death rate from Pregnancy, Childbirth and Abortion ...	—
Death rate of infants under one year of age : —	
All infants per 1,000 live births	12.35
Legitimate infants per 1,000 legitimate live births ...	12.99
Illegitimate infants per 1,000 illegitimate live births ...	—
Death rate from Measles (all ages)	—
Death rate from Whooping Cough (all ages)	—
Death rate from Enteritis and Diarrhoea (under two years of age)	0.21
Death rate from Malignant Neoplasms	2.34

Death rate from Acute Poliomyelitis and Polioencephalitis ...	—
Death rate from Diphtheria	—
Death rate from Respiratory Tuberculosis	—
Death rate from Influenza	0.42
Death rate from Pneumonia	0.85
Death rate from Typhoid and Paratyphoid Fevers	—

Maternal Mortality Rates for :—	*Maternal Causes Excluding Abortion*	*Due to Abortion*	*Total Maternal Mortality*
England and Wales per 1,000 Total (Live and Still) Births	0.39	0.08	0.47
Rothwell Urban District ...	—	—	—

Deaths.—Comparability factor for 1957 was 0.92. The crude death rate per 1,000 population for 1957 was 15.29 which multiplied by the comparability factor of 0.92 supplied by the Registrar General, gives a corrected death rate of 14.06. This death rate of 14.06 is the rate which, it is assumed, would be arrived at if the age and sex distribution of the population of Rothwell Urban District was distributed in the same proportion as that of England and Wales as a whole.

England and Wales 11.5

Births.—The following table shows the birth rate for 1957 together with the rate for England and Wales.

LIVE BIRTH RATES, 1957

A comparability factor has been issued for 1957 by the Registrar General, which allows for the different age and sex distribution of Rothwell and provides a basis for comparison with that of England and Wales as a whole.

Rothwell	17.20
Rothwell corrected by comparability factor 1.13	19.43
England and Wales	16.1

INFANTILE MORTALITY RATES, 1957

Infantile mortality is the number of deaths in children under one year of age per 1,000 live births. This is an indication of the environmental and social conditions of a community with special reference to housing, overcrowding and maternity and child welfare.

Rothwell	12.35
England and Wales	23.0

NEONATAL MORTALITY RATES, 1957

Neonatal mortality is the number of deaths in children under four weeks of age per 1,000 live births.

Rothwell	—
England and Wales	16.5

The causes of deaths in children under one year of age with age and sex distribution are given in the following table : —

DEATHS OF INFANTS UNDER ONE YEAR OF AGE

Age	*Sex*	*Cause of Death*
5 months	F	Uraemia.

The registered causes of death were as follows :—

	Males	*Females*	*Total*
All causes	39	33	72
1. Tuberculosis, respiratory	—	—	—
2. Tuberculosis, other	—	—	—
3. Syphilitic disease	—	—	—
4. Diphtheria	—	—	—
5. Whooping Cough	—	—	—
6. Meningococcal infections	—	—	—
7. Acute poliomyelitis	—	—	—
8. Measles	—	—	—
9. Other infective and parasitic diseases	—	—	—
10. Malignant neoplasm stomach ...	—	1	1
11. Malignant neoplasm lung bronchus ...	1	—	1
12. Malignant neoplasm breast	—	1	1
13. Malignant neoplasm uterus	—	1	1
14. Other malignant and lymphatic neoplasms	5	2	7
15. Leukaemia, aleukaemia	—	—	—
16. Diabetes	—	—	—
17. Vascular lesions of nervous system ...	6	6	12
18. Coronary disease, angina	9	4	13
19. Hypertension with heart disease ...	—	1	1
20. Other heart disease	5	5	10
21. Other circulatory disease	3	1	4
22. Influenza	1	1	2
23. Pneumonia	1	3	4
24. Bronchitis	2	3	5
25. Other disease of the respiratory system	—	—	—
26. Ulcer and stomach duodenum ...	2	—	2
27. Gastritis, enteritis and diarrhoea ...	—	1	1
28. Nephritis and nephrosis	1	—	1
29. Hyperplasia of prostate	1	—	1
30. Pregnancy, childbirth, abortion ...	—	—	—
31. Congenital malformations	—	—	—

Registered causes of death—*continued*	*Males*	*Females*	*Total*
32. Other defined and ill-defined diseases	1	1	2
33. Motor vehicle accidents	—	—	—
34. All other accidents	—	2	2
35. Suicide	1	—	1
36. Homicide and operation of war ...	—	—	—

SECTION B. General Provision of Health Services.

(a) **Laboratory Facilities.**—Bacteriological examinations are carried out by the Public Health Laboratory at Northampton and by the Laboratory of the Kettering General Hospital.

(b) **Ambulance Facilities.**—The County Council is responsible for Ambulance Services. The St. John Ambulance Brigade carry out the service on behalf of the County Council for non-infectious cases.

(c) **Nursing in the Home.**—The County Council is responsible for the Home Nursing Service.

(d) **Treatment Centres and Clinics.**—A County Council Welfare Clinic is held twice monthly. A Medical Officer attends one session each month.

The treatment of Tuberculosis and Venereal Diseases is carried out by the Regional Hospital Board.

DIPHTHERIA IMMUNISATION

The number of children who were immunised in 1957 is as follows : —

Under 5 years of age	—
5 to 14 years of age	2
TOTAL	2
Boosters	7

The number of children who had completed a full course of immunisation at any time up to 31st December, 1957 is as follows : —

Age at 31.12 57	Under 1	1	2	3	4
i.e. Born in Year	1957	1956	1955	1954	1953
No. Immunised	13	51	52	70	50

Age at 31.12.57	5—9	10—14	Total
i.e. Born in Year	1948-52	1943-47	under 15
No. Immunised	236	274	746

WHOOPING COUGH VACCINATION

	Under 1	1—4	5—14	Total	Boosters
Whooping Cough Only ...	—	—	—	—	—
Combined Diphtheria/Pertussis ...	52	7	1	60	10

VACCINATION

The following table gives the number of vaccinations undertaken during the year : —

	Under 1	1—4	5—14	15 or over	Total
Primary	29	4	2	5	40
Re-vaccination	—	—	—	2	2

POLIOMYELITIS VACCINATION

The following table gives the number of vaccinations undertaken during the year : —

Under 1	1—4	5—9	10—14	Total
—	14	61	21	96

My thanks are due to the County Medical Officer of Health for the above figures.

National Assistance Act, 1948, Section 47.—No formal action was taken during the year.

SECTION C. Sanitary Circumstances of the Area.

Report by

A. SMITH

M.S.I.A., M.R.SAN.I., CERT. S.I.B. CERT. Meat & Foods R.S.I.

SURVEYOR AND PUBLIC HEALTH INSPECTOR.

I have the honour to present my Annual Report for the year 1957.

Water Supply.—An adequate supply of water has been maintained in the town by the Mid-Northants Water Board, and no reports of water shortage were received during the year.

Water from the new Pitsford reservoir was supplied into the low level mains on 3rd June, 1957, and into the high level mains on 6th November, 1957.

Water Analysis.—A sample of Rothwell water and one of Pitsford water were taken on the 30th October and submitted to the Public Health Laboratory Service for bacteriological examination with the result that both samples were reported to be "very satisfactory".

The following samples of filtered water were taken during 1957 by the Board : —

	Chemical Analyses	*Bacteriological Examination*
Rothwell ...	2	49
Pitsford	34	286
Ravensthorpe ...	2	301
	38	636

The results were satisfactory. In addition the raw waters were analysed and examined from time to time.

Water Softening.—Pitsford water is softened so that the total hardness does not exceed 120 parts per million. Typical figures are : —

Temporary Hardness	27
Permanent Hardness	83
	110 p.p.m.

A typical sample of Shotwell Mill Water is : —

Temporary Hardness	255
Permanent Hardness	105
	360 p.p.m.

Rainfall.—The rainfall during 1957 was 23.72 inches, taken at Clover Hill, Kettering ; Shotwell Mill having closed down, rainfall readings are no longer taken.

1957	23.72	1953	19.24	1949	23.72
1956	23.25	1952	23.44	1948	28.77
1955	19.55	1951	29.97	1947	21.21
1954	29.06	1950	25.58	1946	25.94

Water Services.—New services were connected to 19 Council houses and two private houses.

Public Swimming Bath.—A cool, wet summer was responsible for a lack of interest in open air bathing. Mr. R. Cross again carried out his duties of Bath Attendant with efficiency and enthusiasm.

Between June and September, the following bathers paid for admission to the bath : —

Boys	591
Men	64
Girls	615
Women	20
Spectators	383

Total 1,290, an increase of 412 bathers compared with 1956.

SEWERAGE AND SEWAGE DISPOSAL

There have been no defects or stoppages of sewers throughout the system during the year.

Public Cleansing.—A weekly collection of house and trade refuse has been maintained excepting for holiday periods.

Controlled Tipping.—All household refuse is deposited in the Controlled Tip at Thorpe Underwood, and facilities are available for tradesmen to deposit their trade waste in the tip at moderate charges.

The first layer of covered refuse in the quarry was completed during the year, which constituted 8 years refuse collection.

Salvage Collections.—The total collections of mixed waste paper was 71 tons 6 cwts., an increase of 1 ton 6 cwts compared with the figure for 1956.

The price of mixed waste paper was maintained during the year at £7. 10s. 0d. per ton, so that the yield of 71 tons 6 cwts. realised £534 against £533 income for the previous year.

Annual Tonnage of Waste Paper :—

	tons	*cwts.*	*qrs.*
1952 ...	48	11	0
1953 ...	56	9	0
1954 ...	65	16	0
1955 ...	72	5	0
1956 ...	70	0	2
1957 ...	71	6	0

Rodent Control.—19 infestations of rats were successfully dealt with by your Rodent Operator during the year, when 182 bodies were recovered, mostly at the refuse disposal tip and sewage works.

Sewer treatment was carried out by test baiting 12 manholes on different parts of the system, but no evidence of infestations was found.

Factories Act, 1937 and 1948.—There are 37 factories on the Register—15 inspections were made and 1 defect was found and remedied.

The number of outworks in August, 1957 was 34.

SECTION D. Public Health and Housing Acts.

Housing.—19 new houses were completed by the Council during the year, and a start was made on a further 16. Two private houses were completed during the year.

22 houses were demolished under Section 11 of the Housing Acts 1936/1957.

Summary of Sanitary Defects Remedied :—

Drains re-laid or repaired	31
Blocked drains cleared	64
Inspection chambers repaired	8
Inspection chambers provided	6
Soil and ventilation pipes provided	14
Water closet compartments repaired	16
Wells and pumps repaired	11
Roofs repaired	28
Rainwater guttering repaired	31
Dampness to walls remedied	27
Fireplaces repaired or renewed	22
Floors repaired or re-laid	16
Sub-floor ventilation provided	2
Handrails to staircases provided	3
Stairs repaired	19
Washing coppers provided	19
Sinks provided	19
Internal water services	9
Dustbins provided	43
Bathrooms, Internal W.C.'s and Hot Water Installation provided under Improvement Grants	10

Sanitary Inspections of the Area :—

Complaints received	463
Nuisance inspections	90
Housing inspections	373
Factory inspections	15
Food Shops inspections	12
Rodent Infestations	16
Nuisances abated	92
Housing Defects remedied	368

Number of Notices Served :—

Informal :	Nuisance	14
	Housing	—
Statutory		—

SECTION E. Inspection and Supervision of Food.

Meat and Food Inspection.—One slaughterhouse in the district is licensed, but not in regular use.

The following food was examined and found to be unfit for human consumption, consequently being surrendered and destroyed : —

Canned Beef	60 lbs.
Canned Ham	41 lbs.
Bacon	25 lbs.

I should like to thank all Officers and Staff of the Council for their co-operation, and to you Mr. Chairman, Lady and Gentlemen for the support you have given to the various schemes which I have laid before you.

SECTION F. Infectious Diseases.

There were 132 cases notified during the year compared with 11 cases in 1956.

Measles.—There were 120 notifications during the year compared with 2 in the previous year. All these cases occurred during the period February to May.

Scarlet Fever.—9 cases were notified during the year compared with 2 last year. All the cases were nursed at home and recovered.

Paralytic Poliomyelitis.—1 case of this disease was notified and was removed to hospital. This case recovered.

Non-Paralytic Poliomyelitis.—1 case of this disease was notified during the year and was removed to hospital. This case recovered.

Whooping Cough.—1 case was notified compared with none in the previous year.

TUBERCULOSIS

Public Health (Prevention of Tuberculosis) Regulations, 1925.—These regulations empower the Council to prevent persons suffering from Tuberculosis to engage in the milk trade. No action was taken during the year.

One case of Non-Respiratory Tuberculosis was notified during the year. There were no deaths from Tuberculosis. One Non-Respiratory case removed to another district and two Respiratory cases were removed from the Register as cured.

The number of cases in the Register at the end of 1957 was as follows : —

Respiratory			**Non-Respiratory**			*Grand*
Males	*Females*	*Total*	*Males*	*Females*	*Total*	*Total*
7	4	11	5	4	9	20

MONTHLY INCIDENCE OF NOTIFIABLE DISEASES (Other than Tuberculosis) 1957

Disease	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Measles	1	4	39	63	13	—	—	—	—	—	—	—	120
Scarlet Fever ...	1	8	—	—	—	—	—	—	—	—	—	—	9
Paralytic Poliomyelitis ...	—	—	—	—	—	—	—	—	—	—	1	—	1
Non-Paralytic Poliomyelitis ...	—	—	—	—	—	—	—	—	—	—	1	—	1
Whooping Cough ...	—	—	—	—	—	—	—	—	1	—	—	—	1
TOTALS	2	12	39	63	13	—	—	—	1	—	2	—	132

AGE INCIDENCE OF NOTIFIABLE DISEASES (Other than Tuberculosis) 1957

Disease	0-	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	65+	All Ages	Removed to Hospital	Deaths	Age Unknown
Measles ...	5	11	11	18	21	52	2	—	—	—	—	—	120	—	—	—
Scarlet Fever	—	—	—	1	3	5	—	—	—	—	—	—	9	—	—	—
Paralytic Poliomyelitis	—	—	—	—	—	1	—	—	—	—	—	—	1	1	—	—
Non-Paralytic Poliomyelitis	—	—	—	1	—	—	—	—	—	—	—	—	1	1	—	—
Whooping Cough ...	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—
TOTALS ...	5	11	11	20	24	59	2	—	—	—	—	—	132	2	—	—

NEW CASES OF TUBERCULOSIS, 1957

	RESPIRATORY		NON-RESPIRATORY	
Age Period	Male	Female	Male	Female
0—	—	—	—	—
1—	—	—	—	—
5—	—	—	—	—
15—	—	—	—	—
25—	—	—	—	1
35—	—	—	—	—
45—	—	—	—	—
55—	—	—	—	—
65—	—	—	—	—
TOTALS	—	—	—	1

DEATHS FROM TUBERCULOSIS, 1957

	RESPIRATORY		NON-RESPIRATORY	
Age Period	Male	Female	Male	Female
0—	—	—	—	—
1—	—	—	—	—
5—	—	—	—	—
15—	—	—	—	—
25—	—	—	—	—
35—	—	—	—	—
45—	—	—	—	—
55—	—	—	—	—
65—	—	—	—	—
TOTALS	—	—	—	—